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**From:** Schaub, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=4C7102F9F8CC43DDA1D2CA2B1B238FE4-SCHAUB, MIKE]  
**Sent:** 11/5/2019 3:39:20 PM  
**To:** 'Sikes, Monica' [monica\_sikes@fws.gov]  
**Subject:** heelsplitter study by Powell

Hi Monica,

I hope this email finds you well. Back in May, we had a conference call with you and Amy Trahan regarding DO criteria in the eastern LMRAP ecoregion. One thing you mentioned at that time was a study by Jeff Powell that made the following conclusions (based on our notes from the call):

- Alabama study (Jeff Powell) indicated that DO levels below 4mg/L may not be adequate for fish species that serve as hosts for molluscan larvae (glochidia).
- Host species impacts may affect ability of glochidia to attach/drop off in favorable habitat or at favorable times (due to fish avoidance of low DO areas).

Would you happen to have the study by Jeff Powell that indicated these findings?

Many thanks!

**Mike Schaub**  
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